

ABSTRACT

A vehicle navigation server for providing traffic information, which is useful and has a suitable data amount, to a vehicle navigation device, so as to make the vehicle have a comfortable travel. The server calculates at least one proposed travel based on input data including a current or start position and a destination of the vehicle, and defines a map mesh consisting of mesh units on the proposed travel route. The server extracts traffic information relating to each mesh unit from a traffic information storage device in turn, where traffic information relating to the mesh unit which includes the start or current position is obtained first. The server monitors a total amount of extracted information, and terminates information extraction for the following mesh units when the total amount becomes equal to or larger than a predetermined value. The server then sends the traffic information to a vehicle navigation device.